

MODIS TECHNICAL TEAM MEETING

August 1, 1996

The MODIS Technical Team Meeting was chaired by Robert Murphy. Present were Dick Weber, David Toll, Yoram Kaufman, Barbara Conboy, Eric Vermote, and Wayne Esaias.

1.0 SCHEDULE OF EVENTS

Aug. 16	Revised ATBDs due to the EOS Project Science Office
Aug. 16	Validation Summary Plans due
Sept. 4 - 5	SDST Science Advisory Panel Meeting at GSFC
Oct. 8	MODIS Calibration Working Group at GSFC
Oct. 9 - 11	MODIS Science Team Meeting at GSFC

2.0 MINUTES OF THE MEETING

2.1 Project Scientist Report

Murphy attended the EOS payload Meeting 29 July - 31 July. Murphy said the 1997 budget (House Authorization) is considering substantial cuts to MTPE, and calls for delaying PM-1 and CHEM, plus delays to EOSDIS. The Senate Authorization shows no hits to the budget. There are uncertainties associated with the absence of Code X's New Millennium budget. The 1997 budget includes a new initiative for an "Instrument Incubator". This is a program to assist in the development of new, innovative, and cost effective MTPE instruments. In addition, there are plans to initiate funding for further development of Earth observing *geostationary* satellites.

Murphy said Stan Schneider (Integrated Project Office) reported that there are no longer plans to have NPOESS launch an early satellite before 2006, thereby likely excluding any near-term linkages to MODIS.

Murphy said that the EOS AM-1 and PM-1 platforms are exempt from "federation requirements".

The Payload Panel outlined the principles which should govern the evolutionary changes of EOS. They include the following:

- 1) Integrated Observations (Multiple sensors for the 24 measurements)
- 2) Long Term Coverage
- 3) Calibration
- 4) Validation and Instrument Characterization
- 5) Open, Documented Products

6) Accessible Products

Four issues were identified, and task group leaders identified to draft statements in conjunction with others. They are: Science Strategy (B. Moore), Interagency Cooperation (D. Hartman), Technology Insertion (John Gille) and Commercial (to be determined).

The task groups will have draft position papers for each of the topics with the flexibility to plan ahead (approximately six months). Murphy has a set of attachments from the EOS Project Meeting he can make available through MAST.

2.2 Instrument Update

Weber reported that crosstalk tests of the Space Analog Module (SAM) show little or no electrical crosstalk. The crosstalk measurements are on the order of the noise, i.e., about 0.025 percent. SBRS and GSFC jointly selected worse case scan lines for the test.

Weber said a preliminary assessment of the vibration tests to the Main Electronic Module (MEM) indicated no apparent damage to the electronics. In addition, the Forward Analog Module (FAM) was vibrated and subsequently powered up without problem.

Interfacing the SRCA to the Main Electronics Module led to a burned out motor driver. SBRS has identified the problem and is pursuing circuit modification. The SDSM has the same motor driver, and will get the same.

2.3 Discipline Update

Murphy said, via Tim Suttles, discipline group validation summary charts are due by August 16. Murphy wants to see the validation charts before submitted (not to review but to coordinate). Conboy reported 50 percent of the Science Team has submitted the semi-annual reports. Murphy requested the discipline leaders to summarize the reports for any good or bad items and be prepared to discuss the subject with him during his discipline leader meetings.

3.0 ACTION ITEMS

3.1 New Action Items

1. *M. King, C. Justice, and W. Esaias* to summarize their group discipline semi-annual reports for any positive or negative topics.